Community simulator

Northumberland County Council census

Socio-demographics
- Economics
- Age
- Gender
- Family size

Households
- Singletons
- Single parent
- Couple
- Couple + children

Social network
- Family
- Hospital
- School
- Carehome

Disease dynamics

Person per day in each social network
- Family
- 1° or 2° School
- Hospital
- Carehome

Maximum age 80 years

Norovirus transmission
- Human: human
- Human: environment

Immune status
- Time since exposure

Outcome
- Disease?